

Atmospheric Neutrinos
LAr Detector Simulation

350 kt-yrs

Mass Hierarchy Determination

Normal Hierarchy, $\sin^2\theta_{23}=0.4$

- Perfect Separation of μ^+/μ^-
- Tagging Protons & Electrons
- No $\nu/\bar{\nu}$ Enhancements

Sensitivity ($\sigma = \sqrt{\Delta\chi^2}$)

5

5 σ

3 σ

0

0.5

1

1.5

2

δ_{CP} / π